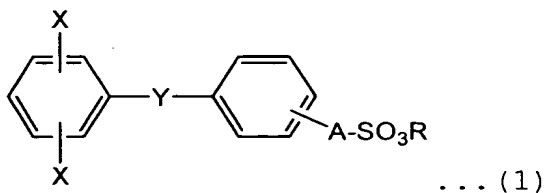


## CLAIMS

1. An aromatic sulfonate derivative represented by the formula (1):



wherein X is a halogen atom other than fluorine, a  $-\text{OSO}_3\text{CH}_3$  group or a  $-\text{OSO}_3\text{CF}_3$  group; Y is a divalent organic group; A is  $-(\text{CH}_2)_m-$  or  $-(\text{CF}_2)_m-$  (wherein m is an integer of 1 to 10); and R is a  $\text{C}_{4-20}$  hydrocarbon group.

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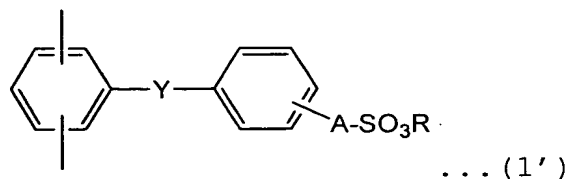
2. The aromatic sulfonate derivative as claimed in Claim 1, wherein Y in the formula (1) is an electron-attracting group.

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3. The aromatic sulfonate derivative as claimed in Claim 1, wherein Y in the formula (1) is  $-\text{CO}-$  or  $-\text{SO}_2-$  group.

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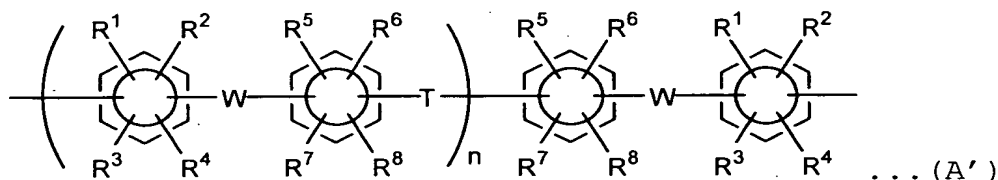
4. A polyarylene comprising structural units derived from an aromatic compound, wherein at least part of the structural units are represented by the formula (1'):



wherein Y is a divalent organic group; A is  $-(CH_2)_m-$  or  $-(CF_2)_m-$  (wherein m is an integer of 1 to 10); and R is a  $C_{4-20}$  hydrocarbon group.

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5. The polyarylene as claimed in Claim 4, which comprises 0.5-100 mol% structural units represented by the formula (1') and 0-99.5 mol% structural units represented by the following formula (A'):



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wherein  $R^1$  to  $R^8$ , which may be the same or different, are independently at least one atom or group selected from the group consisting of a hydrogen atom, a fluorine atom, and alkyl, fluorine-substituted alkyl, allyl and aryl groups; W is a divalent electron-attracting group; and T is a divalent organic group.

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6. A sulfonated polyarylene obtained by hydrolysis of the polyarylene of Claim 4 or 5.

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7. A production method of sulfonated polyarylene, comprising coupling polymerization of an aromatic compound that contains at least the aromatic sulfonate derivative of Claim 1 and hydrolysis of the resultant polyarylene.

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8. A macromolecular solid electrolyte comprising the sulfonated polyarylene of Claim 6.

9. A proton conductive membrane for fuel cells that  
10 contains the macromolecular solid electrolyte of Claim 8.